

What is claimed is:

1. A coating material comprising

5 (A) at least one kind of hydrophobic nanoparticles
based on silica and

(B) at least one kind of hydrophilic nanoparticles
based on silica having a BET internal surface area
10 of > 300 m²/g.

2. The coating material as claimed in claim 1,
wherein the hydrophilic nanoparticles (B) have a BET
internal surface area of > 340 m²/g.

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3. The coating material as claimed in claim 1 or 2,
wherein the weight ratio of hydrophobic nanoparticles
(A) to hydrophilic nanoparticles (B) is from 1:4 to
4:1.

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4. The coating material as claimed in claim 3,
wherein the (A):(B) weight ratio is from 3:7 to 7:3.

25 5. The coating material as claimed in claim 4,
wherein the (A):(B) weight ratio is from 2:3 to 3:2.

6. The coating material as claimed in any of claims 1 to 3, wherein the primary particle size of the nanoparticles (A) and (B) is < 35 nm.

5 7. The coating material as claimed in claim 6, wherein the primary particle size is < 20 nm.

8. The coating material as claimed in claim 7, wherein the primary particle size is < 10 nm.

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9. The coating material as claimed in any of claims 1 to 8, wherein the hydrophobic nanoparticles (A) are preparable by surface modification of pyrogenic silica.

15 10. The coating material as claimed in any of claims 1 to 9, wherein the hydrophilic nanoparticles (B) are composed of pyrogenic silica.

11. The coating material as claimed in any of claims 1
20 to 10, comprising the nanoparticles (A) and (B) in an amount of from 0.3 to 6% by weight, based on the overall amount.

12. The coating material as claimed in claim 11,
25 comprising the nanoparticles (A) and (B) in an amount of from 0.8 to 3% by weight, based on the overall amount.

13. The coating material as claimed in claim 12, comprising the nanoparticles (A) and (B) in an amount of from 1 to 2.4% by weight, based on the overall amount.

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14. A process for preparing the coating material as claimed in any of claims 1 to 13 by mixing its constituents and homogenizing the resulting mixture, which comprises mixing the hydrophobic nanoparticles 10 (A) and the hydrophilic nanoparticles (B) in the form of pigment pastes with the other constituents.

15. The use of the coating material as claimed in any of claims 1 to 13 or of the coating material prepared 15 by the process as claimed in claim 14 for producing scratch-resistant transparent coatings, moldings, and films.

16. The use of the coating material as claimed in any 20 of claims 1 to 13 as a clear and transparent clearcoat as part of multicoat color and/or effect paint systems.

17. The use of the multicoat paint systems of claim 16 in automobile finishing.